

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [12093] Announcing KL Call WQ4RP
Message-ID: <3306105D.5B95@amsat.org>

Hi Gang,

Thanks to the efforts of Steve - AA1BK, the KnightLites now have their new vanity call - WQ4RP. Since FCC doesn't assign the common "Q" suffixes (including QRP), we got as close as we could to "QRP". Thanks, Steve, for your work in securing the VFB new callsign for us! We'll wear it proudly...

-Paul, AA4XX

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [12075] another theory to ponder: (HI)
Message-ID: <33057692.5F59@amsat.org>

Just when you think you got it all figured out, something like the following shows up- makes you wonder. You can kinda make a connection between this and the SMOKE* theory ;-)
*smoke makes electical stuff work- when you let it (smoke) out- that part/unit doesn't work anymore.....
HI , 73 de Phil K6LS

The Dark Sucker Theory

For years, it has been believed that electric bulbs emit light, but recent information has proved otherwise. Electric bulbs don't emit light; they suck dark. Thus, we call these bulbs Dark Suckers. The Dark Sucker Theory and the existence of dark suckers prove that dark has mass and is heavier than light.

First, the basis of the Dark Sucker Theory is that electric bulbs suck dark. For example, take the Dark Sucker in the room you are in. There is much less dark right next to it than there is elsewhere. The larger the Dark Sucker, the greater its capacity to suck dark. Dark Suckers in the parking lot have a much greater capacity to suck dark than the ones in this room.

So with all things, Dark Suckers don't last forever. Once they are full of dark, they can no longer suck. This is proven by the dark spot on a full Dark Sucker.

A candle is a primitive Dark Sucker. A new candle has a white wick.

You can see that after the first use, the wick turns black, representing all the dark that has been sucked into it. If you put a pencil next to the wick of an operating candle, it will turn black. This is because it got in the way of the dark flowing into the candle. One of the disadvantages of these primitive Dark Suckers is their limited range.

There are also portable Dark Suckers. In these, the bulbs can't handle all the dark by themselves and must be aided by a Dark Storage Unit. When the Dark Storage Unit is full, it must be either emptied or replaced before the portable Dark Sucker can operate again.

Dark has mass. When dark goes into a Dark Sucker, friction from the mass generates heat. Thus, it is not wise to touch an operating Dark Sucker. Candles present a special problem as the mass must travel into a solid wick instead of through clear glass. This generates a great amount of heat and therefore it's not wise to touch an operating candle.

Also, dark is heavier than light. If you were to swim just below the surface of the lake, you would see a lot of light. If you were to slowly swim deeper and deeper, you would notice it getting darker and darker. When you get really deep, you would be in total darkness. This is because the heavier dark sinks to the bottom of the lake and the lighter light floats at the top. This is why it is called light. Finally, we must prove that dark is faster than light. If you were to stand in a lit room in front of a closed, dark closet, and slowly opened the closet door, you would see the light slowly enter the closet. But since dark is so fast, you would not be able to see the dark leave the closet.

Next time you see an electric bulb, remember that it is a Dark Sucker.

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: QRPDave@aol.com
Subject: [12070] Assembly of Rick Campbell RX for 40M
Message-ID: <970214184606_-1207169350@emout10.mail.aol.com>

Hello guys! I am a ham with difficulties in vision (that's why I'm composing a list of hams who are willing to build rigs for guys like me). I have the kit from 624 Kits (except for some capacitors--3 or 4--and a couple of inductors which Pat Bunn told me are easily available from Mouser). I alled Mouser, and frankly, did not have enough information (knowledge) to know what to ask for! I'd of course pay for any parts, all postage, and whatever fee a builder would feel is appropriate to get this little puppy assembled.

I am looking for this to be my premier 40M receiver, the base for using some 40M milliwatt TX equipment, so would like to have someone who is familiar with the receiver (August 1992 QST) build it. Any offers? TNX and 73, QRPDave@AOL.com

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Michael D Wyman <Michael_D_Wyman@ccm.ch.intel.com>
Subject: [12090] AT-11 done . . .

Hi all,

Well finished my AT-11 in 5 hours and 45 minutes. Applied power to it and it worked first time.

Ran into the same problem with the connector but tried a different technique. I pressed the connector tightly against the holes and flowed solder thru the vias to the connector. I made sure the connector had a solid flow of solder where the pins contacted the holes and that worked fine.

I calibrated the unit to a 50 ohm load at 3 watts and it worked fine. According to my swr bridge I have very little if any return loss.

I did try hooking it up to my G5RV with Amidon 4:1 Balun and the tuner didn't like the match. The best it could do is 5:1 SWR. Has anyone else tried the tuner on a ladderline balun antenna? When I use my SLT tuner I can turn the antenna to 1:1. I also have a Diawa tuner and I can tune the G5RV also to 1:1.

Could someone tell me what I am doing wrong???

72 de Mike W1DRY

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [12072] AT-11 Hint 14 pin header holes too small....
Message-ID: <8D2057E.0004000B30.uuout@cheaha.com>

-> Likewise I had the problem with the 14 pin header holes
-> being
-> too small. I was able to use a 1/32 drill bit in a pin vise to clean
-> out the holes. No pad material was taken off, and looked as if it was
-> still plated through. Still needed to apply manual force, but works
-> well. Also the same drill bit was used for D20.

Hmm, I haven't even had a chance to open up the box from Scott, but from what folks are saying there's definitely a problem with the size of some of the solder holes. Seems like those "needle files" from All-Tronics or Science & Surplus might be a thought.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: "Jeff M. Gold" <JMG@tntech.edu>

Subject: [12101] AT-11-extra cap?

Message-ID: <01IFG5MTOA8E8WW2RS@tntech.edu>

Well,

got lost in the cave this morning.. still haven't caught up.
.suppose to be at work about 3 hours ago.. had to stop by first
job and check on a computer.

well while attempting to put in a couple of parts and play with
the NW8020 during the contest (got about each DX.. one to two
calls.. love that little rig), I found the next thing I knew.. all
the parts were on the board.. still not sure how that happened.

Problem is that the parts list says 56 .01 blue caps. I received
56 of them. I ended up with one left after the mod (uses 2). I
check each hole on the board.. no extra holes.. checked the parts
layout and it has 53 parts that I counted, same as I placed.
HELP.. anyone got an idea?

Next thing, wasn't going to power it on.. did want to make it to
work.. but I have absolutely no willpower sometimes, and this am
was obviously one of those times. I powerd it up.. no smoke, no
amperage reading on the supply. checked the 5 volt regulator.. no
power. well traced the power path.. low and behold.. there is a
break in the path where you wire in the on off switch.. if it
ain't jumpered, no power. Jumpered it.. got 5 volts. I tried my

multimeter.. and couldn't get an amperage measurement.. but not sure mine goes anywhere close to the range it was suppose to be at (?5-25ma something like that). got most of the parts on the case.. just have to install the two S0239s and wire it up...

Sure hope it works :-)

I think if it works.. it will work for ever. I checked each solder joint as I made it with a high powered magnifying glass, then again after each seaction, then again when I was done. Also checked parts placements a number of times.. this doesn't guarantee anything.. it is still real possible I messed up.

I really enjoyed building it.. thinking if I can sell something else, may get the QRP version.

thanks again LDG and Scott.

I may have some time to play.

How many people who where in on the group buy got the AT-11 going?

73
Jeff

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Bill Howell <bhowell@mail.utexas.edu>
Subject: [12058] Checking solder connections with a camera lens
Message-ID: <199702150051.SAA30773@mail.utexas.edu>

This may have been brought up before...anyway, here goes..

If you *really* want to check for solder bridges/suspect joints on those tight circuit boards, try using a camera lens, in reverse (put your eye up to the 'big' end).

The small end (the end that was screwed to the camera) needs to be held close to the circuit board. A flashlight will help here, as the lens now puts a shadow on the board.
Open the iris all the way up.

I've got a couple of different lenses here in the shop. Both are real cheapies that I scrounged off of dead video cameras. You don't have to have a quality lens for this application.

I would guess that a lens from a 35mm camera would work too,

although I haven't tried it.

Note: even good joints can look ugly when you get this close!

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
voice 512.471.1388
bhowell@mail.utexas.edu
N5ALO QRP-L #415

everything is sacred
nothing is serious

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [12102] Debug Test T0 #1
Message-ID: <199702152152.PAA04966@admin.inetport.com>

Gang:

The mailman brought the package today...

Let the Games begin....

Reports to follow...

Larry
KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN8OSG K8OSG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [12062] Farnsworth vs. RCA
Message-ID: <970215023500_70731.722_EHM36-1@CompuServe.COM>

Recently saw offered for sale on the list "Empire of the Air" which have read a couple years ago, and am buying the book from that list posting. "EotA" might be

called RCA vs. DeForrest vs. Armstrong as it dealt with years-long lawsuits as well as the romance of early regeneration radio.

Anyway couple days ago saw a similar PBS program about Farnsworth who invented electronic television. Program dealt with the long RCA vs. Farnsworth lawsuit and the romance of early electronic television. This program also had a companion hardback I think called _Video_ but maybe called something else. Wondering if anyone on the list has read and could give a short review on this newer PBS network book about early TV?

Dan K6DZ

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [12073] Farnsworth vs. RCA
Message-ID: <8D2100E.0004000B35.uuout@cheaha.com>

-> Anyway couple days ago saw a similar PBS program about Farnsworth who
-> invented electronic television. Program dealt with the long RCA vs.
-> Farnsworth lawsuit and the romance of early electronic television.
-> This program also had a

I caught it, too. Very interesting program.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: k4wz@juno.com (RON L TODD)
Subject: [12083] FOR SALE
Message-ID: <19970215.161646.13663.27.k4wz@juno.com>

TEN-TEC FOR SALE WILL BREAK UP

OMNI VI WITH ALL CW AND SSB FILTERS \$1,800.00
AUTO TUNER.....\$750.00
POWER SUPPLY ...\$200.00 NEW
2 KW ANT TUNER/SWR BRIDGE \$325.00 NEW 8/9/96
OTHER TEN-TEC STUFF

404-361-2527 DAY AND NIGHT

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Marshall G. Emm" <mgemm@mtechnologies.com>
Subject: [12088] Fox Dupe
Message-ID: <33054DE5.3717@mtechnologies.com>

Hi, Larry--

So I *did* get you on the first shot! I wasn't sure because QSB dropped your signal right into the mud and I never heard the confirmation. I figured the second time you'd tell me we were ok, but you sent the exchange so I guessed the first attempt was a near miss.

Mostly you had a very good signal into central CO, and 47 Q's with a vertical and less than a watt ain't too shabby. Thanks again!

73
Marshall

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: W5HNS@aol.com
Subject: [12065] FSFD - another TEXAS report
Message-ID: <970214234636_1547678469@emout02.mail.aol.com>

Better late than never.

My deepest gratitude for those who sought me out!! There were long stretches of CQ WAS with no response.

Looks like I experienced the same fate as my other Texas Padnahs.

Managed a total of 51 contacts - 26 states 2 provinces and a P4.

Only two incomplete contacts and know of at least two stations calling but never copied their calls.

80 - 7 Qs 40 - 28 Qs 30 - 4 Qs 20 - 11 Qs 15 - 1 Q (the P4)

I thought 20 and 30 would be more supportive - not!

Picked up three new states - worked almost every southeastern state.
New England was almost non-existent. The Northwest was non-existent.
Missed some easy ones like Illinois and Conn.

Caught AA0NR mobile on 30 meters at a convenient time. He was going from Kansas into Missouri for two states!!! KE4IZH and W6EMD (2 w and 1 Watt)
were using Sierras. Some day my Sierra will be on the air!!

Missed Utah the next night as I was in a meeting. Glad to see Wyoming will be rescheduled.

And I chuckled at K5F0's comments about the remaining FOX sked. As for California - I think the rotund one is clearing her throat. AZ and OK - isn't that West Texas and North Texas???

Thanks to the FSFD folks for this show. It has been fun!!!

73 Henry W5HNS Pasadena, Texas

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
Subject: [12081] FSFD - VA / 20m Times Cancelled
Message-ID: <Pine.A32.3.93.970215101421.44465A-100000@weyl.math.Virginia.EDU>

Because of ARRL DX Contest activity, I'm cancelling my 20m FSFD times for VA.

72, Ralph N7RI
Charlottesville VA

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [12060] FSFD volunteer summary TOTALS

Message-ID: <199702150117.UAA21646@alaska.magpage.com>

Just for the record, the following is the Total Q's vs Volunteer station list gleamed off of the reflector and by private mail. If there are any corrections or additions, please send them to me directly. A final talley will go out when the Winter FSFD is over on FYBO weekend.

KS4L	AL	34	WA5CVM	ME	24	K4NK	SC	55
NS40	AL		N3REY	MD	29	W2UX	SC	68
AL7FS	AK	50	NF3I	MD	1	N4UK	SC	
KC7NEV	AZ	18	WA1QVM	MA	36	NR5A	SD	14
W7KXB	AZ		W8KC	MI	16	AC4HF	TN	
KK7BD	AZ	23	WA8LCZ	MI	30	NR3E	TX	32
W0LK	AR	14	K0EVZ	MN		W5TFB	TX	32
N9ZZ	AR	33	N0UR	MN	26	K5WO	TX	13
W6JHB	CA	19	K5XU	MS		W5HNS	TX	
N6WG	CA	7	N0IT	MO	40	AB7ST	UT	46
AC6KW	CA	14	N0SS	MO	24	W1EAT	VT	
K6LS	CA	27	KJ7UN	MT	31	N7RI	VA	
AL7GQ/0	CO		WB0QPA	NE		N7MFB	WA	
AA0XI	CO	14	WB0QQT	NE	6	N7TCZ	WA	
KB0VCC	CO	16	KU7Y	NV	52	KJ7NS	WA	
AA1MY	CT	28	AA1MY	NH	19	K7MP	WA	
K3AS	DE	13	AA1IK	NH	56	K5IID/8WV		
KA3LLL	DE	13	N2CQ	NJ		W8PT	WV	
K3QIO	DE	32	N2TNN	NJ		WA9PWP	WI	
KK4KF	FL	3	WA5WHN	MN	24	N7MR	WY	
N4BP	FL	93	\W/WB5LYJ/			N3FRT	DC	
W4ED	GA	23	WZ2T	NY	25	K3VOA	DC	
N4XY	GA	12	KV2X	NY		VE3JC	ON	
AL7FS	HI	2	AE4IC	NC	42	VE5RC	SK	
AB7TK	ID	36	K8IDN	OH	37	VE7CQK	BC	
N9HH	IL	26	NS80	OH		VE3FLB	ON	
N9DD	IN	27	K8NU	OH		NR3Z	PA	
KD0CA	IA	14	KG8SF	OH				
KB0PZD	KS	18	WD8RIF	OH				
KG0MZ	KS		AB5UA	OK	18			
KC40	KY	30	N7CQR	OR	23			
AC5AM	LA	77	KT3A	PA				
K5RV	LA	28	KA9HAO	RI				

Next Year, Karaoke CW, Jim K3QIO Delaware (yes addictions)

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Phil Sikes" <psikes@whidbey.net>

Subject: [12069] FSFD WA

Message-ID: <199702150803.AAA09626@islander.whidbey.net>

Boy I wish we could all speak UTC! I have tried twice to correct this so here goes number 3. I will be operating starting at 0200 UTC Feb 16th 1997 (thats 6:00 PM Pacific time saturday evening) and will be on or about 7.112 until 0300 UTC Feb 16th. At 0300 UTC I will move to 7.040 plus or minus and stay there until I have worked all I can hear. Of course this all hinges on if I can get a frequency during the contest.

72 es CU at 0200 UTC 16 Feb

Phil

Phil Sikes - KJ7NS

ARCI #9196 - QRP-L #528

FISTS #2602 - NW QRP #412

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>

Subject: [12080] FYBO Construction Award

Message-ID: <Pine.A32.3.93.970215092425.17073A-100000@weyl.math.Virginia.EDU>

Mike should be in the running for a special FYBO Low Temperature Construction Certificate! :-)

72, Ralph N7RI

Charlottesville VA

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: Dave Fifield <fifield@pacbell.net>

Subject: [12068] HB: LDG QRP Autotuner Lives!

Message-ID: <330541D2.7000@pacbell.net>

Another big thank you to Scott for organizing the group buy!
I ordered a QRP autotuner and a QRO one (greedy!).

Finished building the QRP one today. It not only looks splendid in its custom TenTec made case, but actually works VERY VERY WELL INDEED! It actually worked first time, exactly as per the manual. It can acheive a working match on all bands from 80 to 10m on my ladder line fed 40m dipole (with a balun at the bottom in the shack) - something I couldn't do with my HB manual pi-tuner - and it acheives a better match than I

could get manually in most cases!

Here are a few things I did to spruce it up a bit:

- 1) Used a blue LED for "Red2" - looks nicer, but cost me a dollar!
- 2) Put packing washers behind the "TUNE" push switch to keep it flush with the front panel
- 3) Changed the S0239 sockets for top quality ones - silver/teflon/gold.

The tuner makes qrp life real easy now - it's unbelievably fast, around a half second to one second in most cases. This will make more time for QSOs and will be great for TTF contests and camping trips.

TTFN, Dave Fifield, KQ6FR

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Chris Cartwright <ccart@vidtel.com>
Subject: [12099] Island Keyer - HELP!
Message-ID: <Pine.LNX.3.93.970215153107.762B-1000000@dns.vidtel.com>

Got two of these last night, put one together, worked great the first time. I got TEST from memory one, V out of two, CQ out of three, and 1 out of four. Then I tried to change the sidetone, didn't seem to work so I went on to programming "stuff" into the memories. Blammo... with the paddles closed (both sides .-.-.-.-) the battery clip popped off. Since then it seems to work fine as long as the 93LC66 is out but I still can't change the sidetone and it seems to run r e a l s l o w when the memory is in. Also it kinda runs backwards, it reports 40 wpm but at a 7 wpm rate, did I just kill the memory? Or is the 68HC705 lobotomized?

I'm wondering if I should troubleshoot this with parts from the other kit or just put the other one together and not risk toasting anymore parts?

Running it off a 9V alkaline (through the regulator) it draws about 3.5mA at idle, and about 65mA at full sidetone volume. With the memory in it idles at about the same current but goes to about 100mA at full volume when tapping out the speed. Any ideas? Gotta get this thing done by FYB0, so y'all have a 5 point target to shoot at :)

72 de N3XRV/T

-- Christopher Cartwright, Tech. Engineer		...our chief weapons are fear,
-- Voice 301.990.0735 N3XRV QRP-L #655		fear and surprise, and nice
-- Mail ccart@vidtel.com		red uniforms, oh damn!!
-- ccart@erols.com		-- Monty Python

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [12076] KH6 40M
Message-ID: <199702151303.NAA02147@chuck.dallas.sgi.com>

1300UTC AH6MZ 7.040MHz Calling CQ with no takers. I got him
one call 599 599 his KW my 2W.

It's soooo eassssyyyyyyyyyy.

```
:-)
SIG
Chuck Adams K5FO adams@sgi.com DXCC=8
http://reality.sgi.com/employees/adams_dallas/
```

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [12066] Killer Candles (not qrp)
Message-ID: <19970214.220429.4951.3.DWink@juno.com>

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On Mon, 10 Feb 1997 10:36:54 -0500 (EST) "James C. Owen, III"
> Several of the TV stations here in the Washington DC area
> are telling us to carry candles and a 5 lb coffee can.
>Then if stranded we can keep from freezing by burning the candle in
>the coffee can.
```

Hi again.

Here's the short form.

A candle can produce 5 liters of carbon monoxide, raising the level in a car to roughly 0.1%. That is 30 times the maximum allowed by NIOSH. One candle probably won't kill you, just make you sick (nausea, headache, dizziness). Two candles...

It can produce about as much heat as you do if you shiver. It can raise the temperature in the car by a few degrees, at best, because a car has

lousy insulation (windows).

You can insulate yourself very effectively. Cover your head and neck. Put a muffler over your mouth to trap and re-breathe moisture (respiratory water loss = 10% of your heat loss at rest). Eat. Put a baklava, muffler, mittens (old socks?), plastic water flask and snacks in your tin (I recommend twinkies. They have a shelf life of 12,000 years and in a pinch can be used to club pesky badgers.) Put in candles if you really like the taste, just don't light 'em. Carry an old sleeping bag in your car.

I hope those TV stations have good liability insurance. Some widow will want to collect.

That's the short form. I've got a long version (still incomplete) if anyone is interested.

ob QRP -- I haven't started on my NC 38S yet because I keep responding to the list!

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [12094] KL Net Freq 3686.4
Message-ID: <3306117A.6F32@amsat.org>

Hi Gang,

The KnightLite's Roundtable saw a lot of activity last Sunday, February 9th. The band was in good shape, and a trio from Texas (K5ZTY - Bill from Houston, WA5P0K - Mike from Spring, and W5XE - Ray from El Paso) was there to greet us. Nice to hear from you all! One Land was also booming in, with strong signals from AA1IK

(Ernie in Canaan, NH), and KC1FB (Jim in Norwalk, CT). We also heard from our seafaring Knight Warren, AD4ZE/MM who reported that "all is well" at their current port of Beaufort, SC. Warren and his wife Khristie, along with their dog, are sailing to FL and then on to the Caribbean.

Comments from the soapbox: "Am working FSFD..Have worked 27 states since first of year" (K5ID), "I'm whipped..Worked about 55 QSO's today as SC FSFD rep" (K4NK), "Just finished this little 6L6 transmitter" (WA5POK) [By the way, that 6L6 sounded great--VFB note and clean keying (de AA4XX)] "We had snow and now don't have QRM" (N2TNN) [Sounds logical to me too, Dean! Guess there's nothing like a good snowfall to clear the air] "Now at 5W. Tried at 900mW but no go" (N4EUK), "I think I got WA3NNA's 80M beacon at 100 uW" (N3GO), "Had very nice day working on new antennas--Ant now is a 40/80M trap dipole at 20 feet, so high angle helps on a night like this" (VE3JC)

The Knightlite's Roundtable is open to all amateurs. We invite you to join us each Sunday night from 0230Z until 0400Z (9:30-11PM EST) on our new frequency of 3686.4 KHz. Come find out what fellow QRP'ers are up to. You may check in with any amount of power, QRO or QRP. We hope to hear from you soon! The Net control station will be using the brand new KL Club call WQ4RP.

Here's the Roundtable log from last Sunday, Feb 9th, 1997:

K3QIO	Jim	Wilmington,	DE	5W	579	350' LW
K5ID	Ken	Hot Springs,	AR	5W	559	
WD9CTB	Jerry	Floyd Knobs,	IN	3W	559	Inv Vee
AA1IK	Ernie	Canaan,	NH	5W	579	
NZ8J	Tim	Fairborn,	OH		559	
K4NK	Les	Greenville,	SC	4W	599+	
WA5POK	Mike	Spring,	TX		449	
VE3SP	Ron	Hamilton,	ON	5W	599	Butternut Vert
W3AW	Kirk	Canton,	OH	5W	589	QRP+
N7RI	Ralph	Charlottesville,	VA		559	
K5ZTY	Bill	Houston,	TX	5W	449	Dipole
AD4ZE/MM	Warren	Beaufort,	SC	2W	339	80M Hamstick
AE4IC	Bob	Greensboro,	NC		579	
N2TNN	Dean	Somerset,	NJ	1.5W	599	Dipole
WA8LCZ	Byron	Warren,	MI	5W	339	Gap Vert
N4EUK	Steve	Reston,	VA	5W	579	
WB0CLD	Bill	St. Charles,	MO	5W	559	
KC1FB	Jim	Norwalk,	CT	1W	589	
N3GO	Gary	Raleigh,	NC	2.5W	599+	Dipole
VE3JC	John	Delaware,	ON		589	40/80 Trap Dip
W5XE	Ray	El Paso,	TX	3W	229	Phased Verts
WJ4P	Randy	Summerville,	SC	3W	599+	Dipole

AA4XX Paul Raleigh, NC 5W (NCS) 80M Dipole

-----72 till next Sunday-----

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [12108] KL7Y now on 21.038.58
Message-ID: <33063F60.4D45@alaska.net>

KL7Y has moved 2300Z to 21.038.58

73,
AL7FS

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [12104] KL7Y on 21.007.6
Message-ID: <33063844.354A@alaska.net>

FYI

KL7Y is on 21.007.6 working lots of folks.

Time now is 2225Z Saturday

73,
Jim
AL7FS

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Jim and Nancy Larsen <larsennnc@alaska.net>
Subject: [12105] KL7Y on 21.008.66
Message-ID: <33063BEC.41D0@alaska.net>

I goofed a bit. KL7Y is on 21.008.66 at 2243 UTC.

GL
73,
Jim
AL7FS

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [12064] mc145151p1
Message-ID: <199702150306.WAA01348@aus-b.mp.campus.mci.net>

Motorola (i presume) - MC145151P1

I have a handfull of these chips that are used in commercial gear as part of a pll tuner. Does anyone have info on this device? I am thinking of some sort of pll tuned receiver application.
None of my databooks show it.
tnx... rich

Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>
qrp-1 #933 ars #223
If you push something hard enough, it will fall over - Fudd's law

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [12095] N7MR 14.051 2000-2100Z
Message-ID: <19970215.133247.4463.6.n4so@juno.com>

Do not hear N7MR at his scheduled time--
Anyone contact him yet?

2030z 14.051/ plus QRM

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Al Hunter <ahunter@inland.net>
Subject: [12057] Need ARCO info
Message-ID: <3.0.1.32.19970214162206.0069538c@inland.net>

Help...need capacitance range for the ARCO 461 and 469 compression trimmers. TIA es 72/73

Al - AA6SO

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [12106] NF3I QRP HF mobile operations!
Message-ID: <Pine.3.89.9702151620.J13760-01000000@w3eax.umd.edu>

I've landed in Fayetteville, NC. Stop tomorrow:

Jax, FL. Jeff, your offer still stand?

I'd like to say the following...

I listened on or around 7.040 the entire trip down from DC, and heard NO other QRP stations. Admittedly, the only ones I had any luck working were the ones who were S9 or better, but this was a LOT of fun!

Maybe tomorrow I'll try 20m CW mobile and snag some DX during the contest? Maybe I'll be on 30, who knows? Gee, I really like the Alinco DX-70!!!

For now, I'm sitting in the Motel 6 near the Interstate (95). If anyone in Fayetteville wants to go out for dinner or something, I can be reached at 910-485-8122, ext. 139. I should add that while I have an AP-10 portable ant, and the DX-70 is running in the room, I'm on the ground floor AND the antenna is mounted INSIDE the room, on the A/C unit.

I'll work scheds within reason :) but will be OFF the computer to free up the phone!

BTW, with this junky antenna, I just worked MA on 5 watts (N1WMG) on 30.

I will also leave the radio on or around 10106 unless 15 opens to Alaska or I'm working someone OR if someone asks me out to dinner.

Lessons learned:

A dictation-mini cassette makes a dandy logging system.

An Outbacker is a decent antenna for mobile ops (Perth Plus). You get a LOT of weird and interesting looks.

Five watts is NOT a lot of power when mobile, but it's better than zero.

THANKS to EVERY person who's NOT QRP for working us!!! For an idea of what it's like, drop a 10-15 db attenuator in line and see how loud the other guy is...and remember, the noise does NOT get lower in real life!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [12098] Norcal-Valentines Day present
Message-ID: <01IFG5LYWGUW8WW2RS@tntech.edu>

Thanks Norcal!!!

Just got my December issue.. looks FANTASTIC!!!

73
Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Dave.Ackrill@Westwood45.powergen.co.uk
Subject: [12074] Northern Cross Rally
Message-ID: <970215094327Z*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

If any one on either the GQRP-L or QRP-L (I know a few stations this side of the pond are on one or other list, but not both) is going to the Northern Cross Radio Rally tomorrow then come over to the Propagation Studies stand and say hello.

If you have not heard of this rally, it's being held in the Thorns Park Sports Stadium near Wakefield city centre on Sunday 16th February 1997, doors open at 11:00am.

Hope to see some QRPers tomorrow!

Cheers de Dave (G0DJA)

How far that little candle throws its beams!
- Merchant of Venice Act 5

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: k4wz@juno.com (RON L TODD)
Subject: [12092] OMNI VI FOR SALE
Message-ID: <19970215.184431.12415.2.k4wz@juno.com>

OMNI VI FOR SALE

HAS 2.4 AND 1.8 SSB FILTER ALSO
HAS .50 AND .25 CW FILTER
COMES WITH TEN-TEC DESK MIC
MANUALS INCLUDED
ALL FOR 1,800

404-361-2527

RON TODD K4WZ@JUNO.COM OR K4WZ@WORLDNET.ATT.NET
FISTS #2109, ARCI # 9273, QRP-L # 924

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: wager@juno.com (James W. Cates)
Subject: [12096] OOPS!
Message-ID: <19970215.115840.9694.84.wager@juno.com>

While sending replies this morning, dropped the 38 Special order book (heavy) on the keyboard, and to my surprise and consternation, it deleted a dozen messages. (???). Anyone not receiving a reply to his/her query, by Tuesday, say, please resend. Tnx. jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Elliott Lawrence <edl@pacbell.net>
Subject: [12085] QRPp
Message-ID: <3305E913.66A3@pacbell.net>

I am one of the few who has not received the December issue of the QRPp from Norcal. There are no copies remaining. Looks like the post office has lost it...permanently. So can anyone out there who has a copy of QRPp make a copy for me. Copying costs and postage provided.

I would hate to miss this great issue. Please let me know what anyone can

do to help me.

Thanks in advance.

vy 72/73

Elliott WA6TLA

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: kb0rol@juno.com (Bradley L Mugleston)

Subject: [12067] Radials

Message-ID: <19970214.233600.10023.0.kb0rol@juno.com>

I have 250 feet of three strand house wire that I am going to cut into radials for my vertical. I was going to cut a 20M/10M/5M and a 5M/10M/20M section out of the first 25M length to give me two 80M 1/4 radials, 2 40M 1/4 radials and 3 20M 1/4 radials. Can I leave them in the original outer wrap so I have a bundle of three radials X 2 or should I remove the outer cover and separate the radials. Also are there any combinations of radials I should avoid or strive for? The antenna covers the 80-40-20-15-10 M bands so I will be cutting other combinations.

Thanks and I hope this makes sense.

Brad Mugleston - KB0ROL

Colorado QRP Club # 170, QRP-L #316, ARRL

QTH - Aurora, CO - DM79oq

KB0ROL@JUNO.COM

BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: Steve/NOTU <NOTU@webaccess.net>

Subject: [12086] Snow Cave QRP to Mojave Dessert QRP - 8*to 78*

Message-ID: <3305F1D5.6535@webaccess.net>

Hi Bill

Thanks again for pulling my weak sig out of the SNOW!:- On our FYBO practice run my friend and I worked hard to get our snow shelter dug the first night(10*) because we forgot the tent poles!!!! Be prepared!!! I always say but fail to do so! more details and photos will follow on the web Tuesday. send me your again just what you're doing and more details so I can include them on the web!?

William E. Smith wrote:

>
> Do you think that you will get the QSL that was sent to the old address?
> Cause that is where I sent it.

Bill...I'm not sure...I suspect it will be returned to sender??

> Send me a copy of anything you post or write about your snow cave QRP
> adventures.

I'll have photos and story up on my web by Tuesday...and I'll add your
QSL as soon as it arrives!

> I have had a lot of practice pulling weak signals out of the mud. In fact
> the weak ones are what I look for.

Great I'll add your name to my list of hopefull listeners. Years ago I
spent many hours doing this same thing(QRP field trips)...BUT it's not
fun if you think
that no one is out there listening...but then I didn't have the internet
to keep others informed. QRP-1 is very convenient way to stay
intouch..and share info and ideas!!!!

Bill...I'm not sure of my output power...I'm testing my battery now
(here at
home) by putting it outside w/thermometer and neasuring the voltage @ 20
degs. I may find that I was running less power than I thought...thus the
reason for so few QSOs(3 confirmed 1?) ?? I dono??? Maybe it was
conditions??? or my Antenna??? or location??? or???

Just having fun w/QRP and outdoor adventures!.....Steve

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO
HTTP://www.webaccess.net/~S&P

QRP-L # 911
ARS# 206
Steve-N0TU

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [12071] TO ARRL OR NOT TO ARRL??
Message-ID: <8D20582.0004000B31.uuout@cheaha.com>

-> Is the League perfect? Nah! But it's the best voice we have. Those
-> who complain the loudest about the League are the ones who refuse to
-> accept that an organization of that size simply can't please
-> everyone, no matter how hard they try. If we don't support the ARRL,
-> what voice *DO* we have? Wayne

-> has been a long time League member. If you want the League to better
-> serve you, then get involved and make sure they know where you stand.

Enjoyed the reply, Brad. Tnx fer a good post. Take care and look for
the poll results. Kinda interesting so far.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: herr@ridgecrest.ca.us (Michael Herr)

Subject: [12063] Unusual NC38 construction

Message-ID: <v01530502af2ad61cc84b@[199.120.150.65]>

Well gang, I claim the weirdest construction site for a NC38. Last weekend
I took my sons scout troop snow camping, ending up with downhill skiing at
Mammoth Mountain on Sunday. Not being much of a skier I did a lot of
backcountry snow shoeing. Well, after a trip out and back I settled down
into the cab of the pickup, NC38 in my lap and a butane soldering iron. I
sure got a lot of strange looks from all checking out what I was doing.
Temp was about 28F. The only problems were getting the iron to light off at
8000ft and then later runing out of gas! Didn't finish the board tho...

72

Mike WA6ARA

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: Rick Sealey <rsealey@InfoAve.Net>

Subject: [12091] W.R.

Message-ID: <1.5.4.32.19970215183711.00ae13f0@mail.infoave.net>

Much appreciation to Jerry, Wayne, and Ken for your responses to my
Wilderness Radio inquiry.

72,
Rick - KI4PZ

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: SBJohnston@aol.com
Subject: [12097] re: 38s, etc.
Message-ID: <970215152321_-1441719404@emout13.mail.aol.com>

Gary:

>Mine only goes from 10.118 to 10.120. I tried
>several different 1N4001s and a MV209 varactor...
>Anybody else having these problems
>with limited VXO tuning range?

I have had a fair bit of trouble with my 38 Special - including poor tuning range. Much like yours, the crystal that came with the kit would only tune a couple kHz. I bought a few from Mouser that are on the same frequency and they swing much, much better. I've also seen a great variation among 1N4004 diodes. I've tried a couple unknowns, several each of GE and Motorola manufacture, and found every one better than what was packed in the kit. I settled on a Motorola 1N4004.

>I'm also having no luck with the RIT mod

I had to really concentrate on the instructions for adding the RIT -- I kept getting confused. Maybe you are in the same boat. Adding the RIT mod to my 38 Special seems OK on receive but caused extreme drift and instability during transmit - I suspect RFI to D301/302. I'm trying to work out a different circuit for transmit/receive RIT switching right now.

Steve Johnston
WD8DAS

sbjohnston@aol.com

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: LDG Electronics <ldg@radix.net>

Subject: [12109] Re: AT-11 Hint
Message-ID: <103010d02af2bf2781cd6@[206.62.179.112]>

I've noticed that a lot of builder have been having problems with the 14 pin header on the AT-11. Here's what I found out.

There is a problem with the PC board hole size for J3 and D20. We switched board manufacturers about two months ago and it looks like they went down one hole size from what we gave them. There is a bit of confusion in the PC board manufacturing world on how to specify holes sizes. Half of the companies interpret the hole size we give as the "finished" hole size. The other half of the companies take the holes size you give them and drill that size hole. The second method creates a problem on plated holes because the hole is now smaller by the width of the plating. That seems to be case with our new company. We're in the process of trying to get that cleared up.

It sure has caused a mess though. Most, if not all, of the ones that went out in Jan and Feb have this problem. The only proper solution for the header is to solder it to the top of the pads. I have checked this out before and it will work fine. D20 can be done the same way. I do not recommend that the holes be drilled out. They do not make a smaller header that will work. If it was smaller, then the ribbon cable would not fit properly. Soldering on the top is pretty much the only way.

Dwayne Kincaid
WD8OYG

LDG Electronics

1445 Parran Road, St. Leonad MD
Phone: 410-586-2177
Fax: 410-586-8475
e-mail: ldg@radix.net
web site: <http://www.radix.net/~ldg>

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "William R. Colbert" <V31XE@dzdn.com>
Subject: [12084] re: can you hear me ?
Message-ID: <33053CF1.23E6@dzdn.com>

Brent, I as well as others on the list have operated from hotel rooms with similar conditions to your location. I used 65 ft #26-28 enameled wire from my tuner to a tree, near my window. Since the enameled wire is insulated, I passed it through the screen (does not damage the screen)

and sloped it downward to a height of about 8 or 10 ft above the ground. I just tied it off without using an insulator and it was barely visible. If you are not able to do that, (I assume not as you are trying to use the Hamsticks indoors) you can use the hamstick (or any other mobile antenna) inside but it is going to need some sort of radial system. There was a G3C0J? a few years ago that used a mobile whip from pension rooms and hotel rooms on an extended trip, but he only had success when he had a quarter wavelength tuned radial for each band of interest, attached to the mounting base. I have not heard of too much success over the years with the Isotron and feel that if you went to a lump-loaded type antenna, a loop similar to the AEA or MFJ may be a better performer. However, try the radial system on the Hamstick system, if you can get the window open and put the antenna out at a 30-45 degree angle, you should have good success. I may be repeating what others had already told you, but want to emphasize "keep trying". Listening for you. 72/73 Ray

--

Ray Colbert, W5XE, SOWP 1064M, FISTS 2146
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Bill Todd <bill@techline.com>
Subject: [12082] Re: FSFD - WA / N7MFB QSY to 7.112
Message-ID: <1.5.4.32.19970215161051.0067d838@mail.techline.com>

Because of ARRL DX Contest activity, I'm going to QSY from 7.037 to 7.112 for my Sunday morning time slot on 40 meters (from 9AM to 10AM PST).

Thanks gang(s) -

Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Al Moyle <moyle@essc.psu.edu>
Subject: [12078] Re: KH6 40M

Message-ID: <3.0.32.19970215090002.00904630@pop3server.essc.psu.edu>

At 01:03 PM 2/15/97 GMT, you wrote:

>
>1300UTC AH6MZ 7.040MHz Calling CQ with no takers. I got him
>one call 599 599 his KW my 2W.
>
>It's sooooo easssssyyyyyyyyyy.
>
>:-)
>SIG
>Chuck Adams K5F0 adams@sgi.com DXCC=8
>http://reality.sgi.com/employees/adams_dallas/
>
>
>

Thanks, Chuck !!!!!

You made my day :-). I love ya' man!! I got him ... 599 both ways with my mighty 5W. Heard him say he was in Honolulu, now if I can only get a card out of him. That QRP WAS is getting closer all the time. I love this QRP stuff!!!

72/73 es Wahoooooooo!

Al N3KFL

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [12107] Re: KH6 40M
Message-ID: <199702152251.WAA02806@chuck.dallas.sgi.com>

Al,

Two things that I will do for a rare state. Send him a card in a standard envelope. Enclose as SASE. I will do this only if I really need a card or it is rare like WY, RI, AK, HI,

Make sure you fill out the entire card. Put date and time in UTC. This is a given and shouldn't have to be mentioned on this group. :-)

Also put in a nice note saying all kinds of glowing things like he was strong you had to replace all the NE602's in the front end, nice fist and good operator, make your contact stand out among all the boring ones that he did day in and day out.

It works for me.

FYI to qrp-l

I love the group and felt that posting his time and location would help. I know that he must have had a darn good receiver and he was real strong so propagation was favorable. I think about a dozen or so went after him and got him. He was QRP compared to some other stations that I heard at the same time. :-) Was KW or 1W OM????

And don't anyone make any remark to him about giving out all 599s. It don't matter. I'll take 'em and I know that I was that strong. :-)

dit dit

p.s. Like someone else who posting a siting to the list. Don't/do not/ say RIGHT NOW. Please post the time in UTC. I may be sitting at the terminal logged on etc. but most likely not. The mail header sometimes lies to me or it is in some time zone in Central Africa that I don't know f
know off the top of my head whether to add or subtract +N or -N where $0 \leq N \leq 24$.

Just for convenience and a standard we all can live with. Please.

Pretty please. Pretty please with sugar on it. :-)

SIG

Chuck Adams K5F0 adams@sgi.com DXCC=9

http://reality.sgi.com/employees/adams_dallas/

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: Paul Harden <pharden@aoc.nrao.edu>

Subject: [12103] Re: mc145151p1

Message-ID: <199702152201.PAA27653@zia.aoc.nrao.edu>

Rich,

The MC145151-2 is indeed a Motorola part, the "Parallel-Input PLL Frequency Sythesizer, Single-modulus Prescaler."

Data sheets are contained in the Motorola COMMUNICATIONS DEVICES data book.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: ka7you@juno.com
Subject: [12059] Re: Ni-cads and all
Message-ID: <19970214.170610.2871.15.KA7YOU@juno.com>

To the QRP-L group and others on the 'interested' list

I've had several requests for more information regarding the correct charging parameters of the various batteries. I'll try to come up with the information in due time, but will probably be in a listen (read) only mode for a few days, while I take a trip south.

In the mean time, here is a little added information on some small batteries that I just bought today. It is printed on the side of a pair of Panasonic Sealed Lead Acid batteries that I just bought today.

They are 6V 4AH (at the 20Hr rate), Panasonic LCR6VBP batteries.

I paraphrase: for cycling use; 7.25 - 7.45 volts, not to exceed 1.6 amps

for standby use (floating, but not necessarily charging),
6.8 - 6.9 volts

This comes out to no more than 14.9 volts for the 12V pack and not to exceed the 1.6 amps (0.4C) maximum charge rate, when recharging. The 'float' voltage should not exceed the 13.8 volts, and I've seen 13.4V or 13.5V mentioned many times in other literature.

Please note these numbers are for Lead Acid types only. Terminal voltages for Ni-Cads are slightly different.

Stay tuned.

7 3,

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

From owner-qrp-l@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Dave Sjolin <sjolin@swbell.net>
Subject: [12087] Re: Radials
Message-ID: <33058183.41B2@swbell.net>

Bradley L Mugleston wrote:

>

> I have 250 feet of three strand house wire that I am going to cut into
> radials for my vertical. I was going to cut a 20M/10M/5M and a
> 5M/10M/20M section out of the first 25M length to give me two 80M 1/4
> radials, 2 40M 1/4 radials and 3 20M 1/4 radials. Can I leave them in
> the original outer wrap so I have a bundle of three radials X 2 or should
> I remove the outer cover and separate the radials. Also are there any
> combinations of radials I should avoid or strive for? The antenna

> covers the 80-40-20-15-10 M bands so I will be cutting other
> combinations.

Brad, since you are going to be using fewer than 120 radials, it is probably not going to be worth your while to cut the radials for specific bands, that is unless your vertical is mounted up in the air. If it ground mounted, you can cut the radials to whatever length is convenient. And the radials do not all have to be the same length.

Again, the only time that cutting the radials to a specific frequency is warranted is when the vertical is mounted up in the air or when you are approaching 120 ground mounted radials.

For more info, check out the ARRL Handbook and the ARRL Antenna Handbook.

73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: wylde@nccn.net (Grover, K7TP)
Subject: [12089] Re: Radials
Message-ID: <v02130500af2bb138011a@[205.139.74.244]>

>Bradley L Mugleston wrote:

>>

>> I have 250 feet of three strand house wire that I am going to cut into
>> radials for my vertical. I was going to cut a 20M/10M/5M and a
>> 5M/10M/20M section out of the first 25M length to give me two 80M 1/4
>

>Again, the only time that cutting the radials to a specific frequency is
>warranted is when the vertical is mounted up in the air or when you are
>approaching 120 ground mounted radials.

>

>For more info, check out the ARRL Handbook and the ARRL Antenna
>Handbook.

>

>73 de Dave, N0IT

Amongst the RSGB books I have on antennas it is strongly suggested that one go for more radials than fewer radials cut for resonance. A quick reading of the literature would suggest that you will do quite well with a ground-mounted vertical if you can get 20-30 radials at least .10 wavelength at the lowest frequency of interest. This flies against the conventional "wisdom" but often this "wisdom" isn't.

73,

Grover
K7TP

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [12100] Re: Toroids & enameled wire - why?
Message-ID: <Pine.LNX.3.91.970215123528.8450A-100000@dt1.datatamers.com>

Gang,
Claton Cadmus, KA0GKC, correctly pointed out that the capacitance would not be exactly doubled because the Teflon insulation is thicker than enamel (the conductors are farther apart). Other side effects include the relative proportion of air (probably different) in the electric field between wires, and different capacitance to the core (due to the same factors...dielectric constant, spacing, mix of Teflon & air).

Lots of variables to consider. Not black or white. Somewhere in between!
In any event, best to build it as designed. Otherwise, be prepared for surprises. Thanks, Claton, for your input.

72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [12110] Re: toroids and enameled wire

>From: "Ed Manuel" <n5em-qrp@msn.com>
>No problem at all.

Hi Ed, I agree with you that it is no problem for low 'Q' configurations which it will be simply because a toroid is being used. However, lest someone think insulated wire should be used in a high 'Q' application, like the loading coil on an antenna let me disagree with Nike and say just don't do it. For the same reasons that toroids should not be used as the loading coil for an antenna, insulated wire should also not be used. For mobile antennas on 75m, we already have about 98% loss. We don't want to add to it.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [12077] Re: Unusual NC38 construction
Message-ID: <19970215.051422.4951.0.DWink@juno.com>

Hi Mike,

Just wondering, did you get a headache?

On Fri, 14 Feb 1997 19:00:09 -0800 herr@ridgecrest.ca.us (Michael Herr)
writes:

>into the cab of the pickup, NC38 in my lap and a butane soldering
>iron ... at 8000ft

Nice new tight pick-up, high altitude, butane soldering iron... I
wonder what your carbon monoxyhemoglobin level was? Don't know what
the combustion efficiency of one of those butane torch/soldering irons
is- probably much greater than a candle ordinarily, (see my "Killer
Candles" post), although maybe at 8,000 ft. it is starved and makes
MORE than a candle usually does. The principle remains is the same.
Combustion in a closed space is dangerous.

> problems were . . . runing out of gas!

That may have saved your life. That and passers-by for whom you had to
open your window to explain. No kidding- a few refills on that iron
and ... silent key. May I suggest you stop by Radio Shack and pick up
one of their 12v soldering irons (15w). They are cheap and work fine.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@Lehigh.EDU Sat Feb 15 18:04:38 1997

From: Steve/N0TU <N0TU@webaccess.net>
Subject: [12079] Re: Unusual NC38 construction/KILLER Candles
Message-ID: <3305C647.14A5@webaccess.net>

Daniel C Winkler wrote:

>
> Hi Mike,
>
> Just wondering, did you get a headache?
>
> On Fri, 14 Feb 1997 19:00:09 -0800 herr@ridgecrest.ca.us (Michael Herr)
> writes:
>
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>
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> the combustion efficiency of one of those butane torch/soldering irons
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> one of their 12v soldering irons (15w). They are cheap and work fine.
>
> 73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA
>
> -----whom the gods would destroy, they first make proud -----

I just got returned from a winter backpacking trip and I can say from
experience that CANDLES are a way to raise the temp in a snow cave from
25 to 30 degs... BUT I agree w/Dan extreme caution must be used. I had
several vent holes in the top of my snow cave open when I was burning
candles and NEVER left one lit while asleep or I probably wouldn't be
found till the spring thaw. ALSO...When it was time to shut down for the
evening CANDLES OUT!! and I let a headlamp (4-D cell firefighter type)
run till dawn. I must admint the candles added a lot of atmosphere and
warmth to our cave experience...BUT extreme caution and awareness of the
poteintial danger of these "darksuckers" are in order. Respect mother
nature!....Because she has NO respect for you if you don't!!!
Just having fun w/QRP & Adventures...Steve!

portable/solar powered QRP
49er/HW8/ExplorerII/Zepp in attic @ CO SPGS,CO
[HTTP://www.webaccess.net/~S&P](http://www.webaccess.net/~S&P)

QRP-L # 911
ARS# 206
Steve-N0TU